

LifeSeq[®] Gold
Genomics for Life[™]



ClustalW

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LifeSeq Gold 5.1 May2002

☐ 768320CB1☐ M95283

CLUSTAL W (1.7) Multiple Sequence Alignments

RECEIVED

OCT 15 2002

TECH CENTER 1600/2900

Sequence format is Pearson

Sequence 1: 768320CB1 1275 bp

Sequence 2: M95283 1266 bp

Start of Pairwise alignments

Aligning...

Sequences (1:2) Aligned. Score: 85

Start of Multiple Alignment

There are 1 groups

Aligning...

Group 1: Sequences: 2 Score:20363

Alignment Score 7156

CLUSTAL-Alignment file created [baabs4gc_.aln]

CLUSTAL W (1.7) multiple sequence alignment

```
768320CB1    CAAGAGGTTNGGGGCTCTCTCCTTGTCAGTCGGCGCCGCTGCGGGCTGGTGGCTCTGTG
M95283      -----GGCA--CGAGGCCGCGTGCAGGCGTGTGGCTCTGTG
                * * * * *
```

```
768320CB1    GCA-----GCGGCGGCGGCAGGACTCCGGCACTATGAGCGGCTTCAGCACCGAGGAGCG
M95283      GCAATAGCGGCGGCGGCGGCTGTTCGCCGGCACGATGAGCAGCTTCAGCAGCGAGGAGCG
                ***          * * * * *
```

```
768320CB1    CGCCGCGCCCTTCTCCCTGGAGTACCGAGTCTTCCTCAAAAATGAGAAAGGACAATATAT
M95283      CGCGGCGCCCTTCACCTCGAGTACCGAGTCTTCCTCAAAAATGAAAAAGGACAATATAT
                ***          * * * * *
```

```
768320CB1    ATCTCCATTTTCATGATATTCCAATTTATGCAGATAAGGATGTGTTTCACATGGTAGTTGA
M95283      CTCTCCATTTTCATGATATTCCAATTTATGCAGATAAGGAAGTGTTCACATGGTCGTTGA
                *****
```

```
768320CB1    AGTACCACGCTGGTCTAATGCAAAAATGGAGATTGCTACAAAGGACCCTTTAAACCCTAT
M95283      AGTGCCGCGCTGGTCTGAATGCAAAAATGGAGATTGCTACAAAGGACCCTTTAAACCCAAT
                *** * * * * *
```

```
768320CB1    TAAACAAGATGTGAAAAAAGGAAACTTCGCTATGTTGCGAATTTGTTCCCGTATAAAGG
M95283      TAAACAAGATGTGAAAGAAAGGAAACTCCGTTATGTTGCAAATCTGTTCCCGTATAAAGG
                *****
```

```
768320CB1    ATATATCTGGAACCTATGGTGCCATCCCTCAGACTTGGGAAGACCCAGGGCACAATGATAA
M95283      ATACATCTGGAACCTACGGTGCCATCCCTCAGACTTGGGAAGACCCAGGACACAATGACAA
                ***          * * * * *
```

```
768320CB1    ACATACTGGCTGTTGTGGTGACAATGACCCAATTGATGTGTGTGAAATTGGAAGCAAGGT
M95283      ACACACTGGCTGTTGTGGTGACAATGACCCAATTGATGTGTGTGAAATTGGAAGCAAGGT
```

```
***
768320CB1  ATGTGCAAGAGGTGAAATAATTGGCGTGAAAGTTCTAGGCATATTGGCTATGATTGACGA
M95283      GTGTGCACGAGGGGAGATTATCAGAGTGAAAGTTCTGGGCATTCTGGCCATGATTGATGA
          *****
768320CB1  AGGGGAAACCGACTGGAAAGTCATTGCCATTAATGTGGATGATCCTGATGCAGCCAATTA
M95283      AGGGGAGACCGACTGGAAAGTCATTGCCATTAATGTGGAAGATCCTGATGCAGCCAATTA
          *****
768320CB1  TAATGATATCAATGATGTCAAACGGCTGAAACCTGGCTACTTAGAAGCTACTGTGGACTG
M95283      CAATGATATTAATGATGTCAAGCGCTGAAACCTGGCTACCTGGAAGCTACTGTGGATTG
          *****
768320CB1  GTTTAGAAGGTATAAGGTTTCTGATGGAAAACCAAGAAATGAGTTTGCGTTTAAATGCAGA
M95283      GTTTAGGAGGTACAAGGTTCCAGATGGAAAACCTGAAATGAGTTTGCTTTCAATGCAGA
          *****
768320CB1  ATTTAAAGATAAGGACTTTGCCATTGATATTATTTAAAGCACTCATGACCATTGAAAAGC
M95283      ATTTAAAGATAAGAACTTTGCAATTGACATTATGAAAGCACTCATGACTATTGGAGAGC
          *****
768320CB1  ATTAGTGACTAAGAAAACGAATGGAAAAGGAATCAGTTGCATGAATACAACCTTTGTCTGA
M95283      ATTAGTGACTAAGAAAACGTATGGAAAAGGAATCAGCTGCATGAACACTACAGTGTCTGA
          *****
768320CB1  GAGCCCCCTTCAAGTGTGATCCTGATGCTGCCAGAGCCATTGTGGATGCTTTACCACCACC
M95283      GAGCCCCCTTCCAGTGTGATCCTGATGCTGCCAAGCCATTGTGGATGCTTTACCGCCACC
          *****
768320CB1  CTGTGAATCTGCCTGCACAGTACCAACAGACGTGGATAAGTGGTTCCATCACCAGAAAAA
M95283      ATGTGAATCTGCCTGCACAATACCAACAGATGTGGATAAGTGGTTCCATCACCAGAAAAA
          *****
768320CB1  CTAATGAGATTTCTCTGGAATACAAGCTGATA-TTGCTACATCGTGTTTCATCTGGATGTA
M95283      CTAAGGAAATTTCTCTGGAATACAAGCTGATAATTGCTGCATCCTACTTGTGCGAAAGTG
          *****
768320CB1  TTAGAAGTAAAAGTAGTAGCTTTTCAAAGCTTTAAATTTGTAGAACTCATCTAACTAAAG
M95283      TTAGATGTGA---TAGTAGCTTTTCCAAGCTTTAAATTTATAGAATAATCAGTC-----
          *****
768320CB1  TAAATTCTGCTGTGACTAATCCAATATACTCAGAATGTTATCCATCTAA-AGCATTTTTC
M95283      -AGATTCTGCTGCACCAATCCAGTGATTCATACA-TTATCTATCTAAGAGCATTTATC
          *****
768320CB1  ATATCTCAACTAAGATAAATTTTAGCACATGCTTAAATATCAAAGCAGTTGTCAATTTGGA
M95283      GTGTC--AACTAAGGTAACATTTAGTTCCTGCTTAAATATCAAAGCGGTTGTAGTTTGG
          *****
768320CB1  AGTCACTTGTGAATAGATGTGCAAGGGGAGCACATATTGGATGTATATGTTACCATATGT
M95283      AGTCATCTGTGACAGAGTATGCAAGATAAGTACATATTGGATGTATATGTTGCTATGGT
          *****
768320CB1  TAGGAAATAAAA-TTATTTTGCTG-----
M95283      TAGGAAATAAAAATTATTTTGTTCAAAAAAAAAAAAAAAAAAAA
          *****
```

Submit sequences to: